Perfect score:

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Q82368 salmonella Q82368 salmonella Q8fjj3 secherichia Q11376 molluscum C Q98316 molluscum C Q88286 ananas COMO Q8852 chloroblum Q8p944 xanthomonas Q91071 aeropyrum p Q81942 homo saplen Q91071 pseudomonas Q81135 homo saplen Q98370 caulobacter Q8112 corynebacter Q81832 corynebacter Q81844 Agrobacteri Q8wy44 homo saplen Q956W9 manduca sex
                                                                                                                                                                                                                                                                                                                                                                            08pkg0 xanthomonas
09d6/8 mus musculu
011344 molluscum c
08prf8 xanthomonas
08xrj0 ralstonia s
08fwq1 brucella su
08fwq1 brucella su
08ybm6 brucella me
094j70 oryza sativ
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A Fu H., Eheng 2., Dooner H.K.;

RI "Large differences in recombination rates within adjacent gene-dense and retrotransposon regions of maize.";

Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.

C -1 - SIMILARITY: BELONGS TO THE SER/THR FAMILY OF PROTEIN KINASES.

DR EMBL; AF391808; AAR73104.1; -

InterPro: IPR000719; Prot_Kinase.

InterPro: IPR000296; Pritc_extensn.

DR InterPro: IPR001245; Tyr_pkinase.

DR PRINTS: PR001107; PRICHEXTENSN.

DR PRINTS: PR001109; TYRINASE.

DR PRINTS: PR00109; TYRINASE.

DR PRODOM: PR000001; Prot_Kinase; 1.

DR SMART; SN00109; PROTEIN_KINASE_DOM; 1.

DR PROSITE; PS001007; PROTEIN_KINASE_DOM; 1.

DR PROSITE; PS001007; PROTEIN_KINASE_DOM; 1.

DR PROSITE; PS001009; PROTEIN_KINASE_DOM; 1.

DR PROSITE; PS001009; PROTEIN_KINASE_ST; 1.

KW ATP-binding; Kinase; Serine/threonine-protein kinase; Transferase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Lillopsida; Poales; Poaceae;
PACCAD clade; Panicoideae; Andropogoneae; Zea.
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Last annotation update)
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0910C1
08N435
098A3K0
08LHL2
08FS32
09FS44
09U6W9
08PKQ0
09D6W9
09D6W9
09D6W9
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Q8H286
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01-MAR-2003
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09kxp6 streptomyce
08bmv6 mus musculu
0881j9 oryza sativ
09x696 streptomyce
06545 bovine herp
08gze4 pyrocystis
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0914a1 pseudomonas
088112 oryza sativ
08yer0 brucella me
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Q9x4x0 pseudomonas
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an or equal to the score of the result being printed,
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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Gapop 60.0 , Gapext 60.0
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P96802
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sp_unclassified:*
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sp_phage:*
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Maximum DB seq length: 200000000
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8p_human:*
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Score

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Gaps

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Indels

P96802 P96802;

RESULT 2 P96802

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Fleischmann R.D., Alland D., Eisen J.A., Carpenter L., White O., Peterson J., DeBoy R., Dodson R., Gwinn M., Haft D., Hickey E., Kolonay J.F., Nelson W.C., Umayam L.A., Ermolaeva M., Salzberg S.L., Delcher A., Utterback T., Weidman J., Khouri H., Gill J., Mikula A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Whole genome comparison of Mycobacterium tuberculosis clinical and
                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE-96295987; PubMed-9634230;
Cole S.T., Brosch R., Parkhill J., Garnier T., Churcher C., Harris Gordon S.T., Brosch R., Farkhill J., Garnier T., Connor R., Badcock K., Basham D., Brown D., Chillingworth T., Connor R., Davies R., Davies R., Bamlan N., Holmaby T., Jagels K., Krogh A., Molean J., Moule S., Murphy L., Oliver S., Osborne J., Quail M.A., Rajandram M.A., Rogers J., Rutter S., Seeger K., Skelton S., Squares S., Squares R., Sulston J.E., Taylor K., Whitehead S., Barrell B.G.;
Deciphering the biology of Mycobacterium tuberculosis from the Complete genome sequence.";
Mature 393:537-544(1998).
                                                                                                                                                                                                                                                                                                    Mycobacterium tuberculosis.
Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacterineae; Mycobacteriaceae; Mycobacterium.
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Tubercui.st; RV1388; --
Tubercui.st; RV1388; --
Ripothetical protein; Complete proteome.
SEQUENCE 190 AA; 20835 MW; 376672DCF96AF60D CRC64;
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01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-OT-2000 (TrEMBLrel. 13, Last annotation update)
Hypothetical protein SCO1504.
SCO1504 OR SC9C5.28.
Streptomyces coelicolor.
                                                                                                                                                                    P71658 PRELIMINARY; PRT; 190 AA. P71658, 01-JAN-1998 (TrEMBLrel. 05, Created) 01-JAN-1998 (TrEMBLrel. 05, Last sequence update) 01-JAN-1998 (TrEMBLrel. 05, Last annotation update) Hypothetical protein RV1388. RV1388 OR MI1433 OR MCCX2184.05.
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100.0%; Pred. No. 4.6;
tive 0; Mismatches
Mismatches
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STRAIN-CDC 1551 / Oshkosh;
Fleischmann R.D., Alland D
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                                     7 AAARRARAE 15
                                                           Query Match
Best Local Similarity
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Q9KXP6;
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                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                      Pedulla M.L., Lee M.H., Lever D.C., Hatfull G.F.;
"A novel host factor for integration of mycobacteriophage L5.";
Submitted (AGG-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; U75344; AAC28246.1; --
SEQUENCE 105 AA; 11635 MW; B73846DBFA6CA838 CRC64;
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Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacterineae; Mycobacteriaceae; Mycobacterium.
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Corynebacterineae; Mycobacteriaceae; Mycobacterium.
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01-MAY-1997 (TrEMBLrel. 03, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
Integration host factor.
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Nature 409:1007-1011(2001).
EMBL; AL583918; CAC30048.1; -
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   Pred. No. 1.5;
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100.0%; Pred. No. 2.9
tive 0; Mismatches
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   Best Local Similarity 100.0%;
Matches 10; Conservative 0
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Best Local Similarity 100...
Second 9; Conservative
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Barrell B.G.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Redenbach M., Kleser H.M., Denapaite D., Eichner A., Cullum J., Kinashi H., Hopwood D.M.;
"A set of ordered cosmids and a detailed genetic and physical map for the 8 Mb Streptomyces coeliclor A3(2) chromosome.";
Mol. Microbiol. 21:77-96(1996).
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MEDLINE-21996410; PubMed-12000953;
BEDLINE-21996410; PubMed-12000953;
BEDLINE-21996410; PubMed-12000953;
BEDLINE-21996410; PubMed R. P., Cardeno-Tarraga A.-M., Challis G.L.,
Thomson N.R., James K.D., Harris D.E., Quall M.A., Kleser H.,
Harper D., Bateman A., Brown S., Chandra G., Chen C.W., Collins M.,
Cronin A., Fraser A., Goble A., Hidalgo J., Hornsby T., Howarth S.,
Huang C.-H., Kleser T., Larke L., Murphy L., Oliver K., O'Neil S.,
Rabbinowitsch E., Rajandram M.A., Rutherford K., Rutter S.,
Seeger K., Saunders D., Sharp S., Squares R., Squares S., Taylor K.,
Warren T., Wietzorrek A., Woodward J., Barrell B.G., Parkhill J.,
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Complete genome sequence of the model actinomycete Streptomyces
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Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Streptomycineae; Streptomycetaceae; Streptomyces.
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01-NAR-2003 (TrEMBLrel. 23, Created)
01-NAR-2003 (TrEMBLrel. 23, Last sequence update)
01-NAR-2003 (TrEMBLrel. 23, Last annotation update)
Hypothetical type I antifreeze protein containing protein
                                                                                                                                                                                                                                                                                                                                                                   Cerdeno A.M., Parkhill J., Barrell B.G., Rajandream M.A., Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                   Brown S.P., Harris D.;
Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases
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SEQUENCE 750 AA; 81839 MW; 469E5F417EDC8862 CRC64;
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tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nature 417:141-147(2002).
EMBL, AL939109; CAB93384.1; -
InterPro; IPR000767; Disease_resist.
PRINTS; PR00364; DISEASERSIST.
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STRAIN-C57BL/6J; TISSUE-EYE;
MEDLINE-22334683; Pubmed-12466851;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN-A3(2);
MEDLINE-97000351; PubMed-8843436;
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Matches 9; Conservative
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76 AARAAARRA 84
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                                                                  WCBI_TaxID-1902
                                                                                                                                                                   STRAIN-A3(2);
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"Oryza sativa (japonica cultivar-group) genomic DNA, chromosome 1, PAC
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Bacteria; Actinobacteridae; Actinomycetales; Streptomycineae; Streptomyces.
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EMBL; AP003290; BAB89063.1; -.
Gramene; Q8S1J9; -.
SEQUENCE 167 AA; 18542 WW; OC40040DFB49021B CRC64;
                                                                                      CBDCDC2D530ABB15 CRC64;
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01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
                                                                                                                         DB 11;
                                                                                                                                                                                                                                                                                                              167 AA.
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                                                                                                                       50.0%; Score 8; DB 1
100.0%; Pred. No. 16;
1ve 0; Mismatches
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tive 0; Mismatches
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"Characterization of a vanillic acid non-
gene cluster from Streptomyces sp. D7.";
Microbiology 145.2393-2403(1999).
EMBL; AF134589; AAD28781.1;
InterPro; IPR003382; Flavoprotein.
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STRAIN-cv. Nipponbare;
Sasaki T., Matsumoto T., Yamamoto K.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 8;
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60,770 full-length cDNAs.";
Nature 420:563-573(2002).
EMBL; AK021392; BAC25654.1; -.
Hypothetical protein.
NON_TER 1
SEQUENCE 101 AA; 10110 MW; C
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Best Local Similarity 100...
8; Conservative
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Best Local Similarity luu...
Best Asservative
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20 RRAARAAA 27
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DB 10; Length 274;

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50.0%; Score 8; DB 10
100.0%; Pred. No. 37;
:1ve 0; Mismatches
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Best Local Similarity luv...
8, Conservative
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                                                               Conservative
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81 AAARRARA 88
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        Query Match
Best Local Similarity
Matches 8; Conserv
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09X4X0;
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Q31191
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Q9X4X0
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"Circadian oscillations in the transcriptome of dinoflagellate cells:

towards the clock circuity.;

submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AF508261; AAO14680.1;

SEQUENCE 274 AA; 28168 MW; B5F522A5D45AC8BA CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Identification and transcriptional analysis of a 3'-coterminal gene cluster containing ULI, UL2, UL3, and UL3.5 open reading frames of
                                                                                                                                                                                                                               Gaps
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NCBI_TaxID=2972;
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MEDLINE-9603477; PubMed-7483276;
Khattar S.K., van Drunen Littel-van den Hurk S., Babluk L.A.,
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Pred. No. 29;
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EMBL. 13173; AACS4557.1; -.
InterPro; IPR005039; Herpes_UL3.
InterPro; IPR005839; Sug_transporter.
Pfam; PF03169; Herpes_UL3; 1.
PROSITE; PS00216; SUGAR_PRANSPORT_1; 1.
SEQUENCE 204 AA; 21792 MW; 9292E6A8AA2CB8C6 CRC64;
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01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Chlorophyll A-C binding protein.
Pyrocystis lunula.
                                                 InterPro; IPR004507; UblX.
Pfam; PF02441; Flavoprotein; 1.
TIGRFAMS; TIGR00421; UblX: 1.
SEQUENCE 200 AA: 21660 MW; 83D1B5C22C13CD3E CRC64;
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Last annotation update)
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100.0%; Pred. No. -..
0; Mismatches
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100.0%; Pred. No. 28;
iive 0; Mismatches
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Virology 213:28-37(1995).
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nes 8; Conservative
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Best Local Similarity 100.
Matches 8; Conservative
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01-NOV-1996 (TrEMBLrel.
01-MAR-2003 (TrEMBLrel.
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SEGUENCE FROM N.A.
STRAIN-BKME-9;
Mohn W.W., Wilson A.E., Bicho P., Moore E.R.B.;
"Physiological and Phylogenetic Diversity of Bacteria Growing on Resin
Acids.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mactin V.J., Mohn W.W.;
Martin V.J., Mohn W.W.;
Martin V.J., Mohn W.W.;
Ma novel arcmatic-ring-hydroxylating dioxygenase from the diterpenoid-
a novel arcmatic-ring-hydroxylating dioxygenase from the diterpenoid-
degrafung bacterium Pseudomonas abietaniphila BKWE-9.";
J. Bacteriol. 181.2675-2681(1999).
EWBL; AF119621; AAD21070.1;
InterPro; IPRO02529; PAA_hydrolase:
InterPro; IPRO02529; FAA_hydrolase:
J. Pfam; PF01557; FAA_hydrolase:
J. SEQUENCE 336 AA; 37494 MW; CD221163FB1B44FB CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                  Pseudomonas abietaniphila.
Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
Pseudomonadaceae; Pseudomonas.
NCBI_TaxID=89065;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 336;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-NAR-2003 (TrEMBLrel. 23, Last annotation update)
MHC class I H2-K gene (Haplotype d) (Fragment).
                                                               Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           50.0%; Score 8; DB 2;
100.0%; Pred. No. 43;
ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       356 AA
336 AA
                                01-NOV-1999 (TrEMBLrel. 12, Created) 01-NOV-1999 (TrEMBLrel. 12, Last sequol-DEC-2001 (TrEMBLrel. 19, Last anno Dita.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE-84170268; PubMed-6143316;
                                                                                                                                                                                                                                                                                                                                                                                                           Syst. Appl. Microbiol. 0:0-0(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE-99235742; PubMed-10217753;
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Oryza sativa (japonica cultivar-group).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Enrhartoideae; Oryzeae; Oryza.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
SEGUENCE FROM N.A.
MEDLINE-20020109; PubMed-1175668;
DelVecchio V.G., Kapatral V., Redkar R.J., Patra G., Mujer C., Los Ivanova N., Anderson I., Bhattacharyya A., Lykidis A., Reznik G., Sellow E., Elzer P. H., Haglus S., O'callaghan D., Letesson J. J. Selkov E., Elzer P. H., Haglus S., O'callaghan D., Letesson J. J. Haselkorn R., Kyrpides N., Overbeek R., The genome sequence of the facultative intracellular pathogen
                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
STRAIN-cv. Nipponbare;
Sasaki T., Matsumoto T., Yamamoto K.;
Cyza astian inpponbare(GA3) genomic DNA, chromosome 1, PAC
clone:P0659905.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Brucella melitensis.
Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
Brucellaceae; Brucella.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        50.0%; Score 8; DB 10; Length 451; 100.0%; Pred. No. 55;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 710;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases. EMBL; - AP003299; BABB98880.1; - Gramene: QSS112; - SEQUENCE 451 AA; 49641 MW; 2E196EAA1DGB1468 CRC64.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2E196EAAlDCB1468 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     710 AA; 76150 MW; 5DCA5720C36DBBFA CRC64;
                                                                                            01-JUN-2002 (TrEMBLrel. 21, Created)
01-JUN-2002 (TrEMBLrel. 21, Last Sequence update)
01-OCT-2002 (TrEMBLrel. 22, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20, Last sequence update)
21, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          U.S.A. 99:443-448(2002);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   50.0%; Score 8; DB 16;
100.0%; Pred. No. 79;
Live 0; Mismatches
                                                                  451 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            710 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. 55;
0; Mismatches
                                                           PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; AE009614; AAL52999.1;
InterPro; IPR001410; DEAD.
InterPro; IPR001650; Hellcase_C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-MAR-2002 (TrEMBLrel. 20, 01-JUN-2002 (TrEMBLrel. 21, ATP-dependent helicase HRPB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 100.
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pfam; PF00271; helicase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    237 RRAARAAA 244
                                                                                                                                                            P0699H05.2 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 RRAARAAA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Complete proteome.
SEQUENCE 710 AA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NCBI_TaxID-29459;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-MAR-2002
                                                                                                                                                                                        P0699H05.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q8YER0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 15
Q8YER0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN-ATCC 15692 / PAO1;
MEDLINE-20437337; PubMed-10984043;
Stover C.K., Pham X.-Q.T., Ervin A.L., Mizoguchi S.D., Warrener P. Hickey M.J., Brinkman F.S.L., Bufnagle W.O., Kowalik D.J., Lagrou Garber R.L., Goltry L., Tolentino E., Westbrock Wadman S., Yuan Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
-i- SUBUNIT: DIMER OF ALPHA CHAIN AND A BETA CHAIN (BETA-2-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Garber R.L., Goltry L., Tolentino E., Westbrock-Wadman S., Brody L.L., Coulter S.N., Folger K.R., Kas A., Larbig K., Smith K.A., Spencer D.H., Wong G.K.-S., Wu Z., Paulsen I. Reizer J., Saler M.H., Hancock R.E.W., Lory S., Olson M.V. "Complete genome sequence of Pseudomonas acruginosa PAOI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18; DB 16; Length 383;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                le W.O., Kowalik D.J
, Westbrock-Wadman S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                  356 AA; 39888 MW; 7BFB4957212E3F2D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               383 AA; 42550 MW; 8DE3B490DD83C9B1 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Probable multidrug resistance efflux pump.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.0%; Pred. No. 45;
Matches 8; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                50.0%; Score 8; 100.0%; Pred. No
                                  (BY SIMILARITY)
                                                                                                            InterPro; IPR007110; Ig-11ke.
InterPro; IPR003597; Ig_c1.
InterPro; IPR003006; Ig_MHC.
InterPro; IPR001039; MHC_I.
                                           EMBL; K01182; AAA39653.1; --
                                                                                                                                                                                                                                                                                                           PROSITE; PS50835; IG LIKE; 1
PROSITE; PS00290; IG MHC; 1.
Glycoprotein; Transmembrane.
                                                                                                                                                                                                                                             PRINTS; PR01638; WHCCLASSI.
ProDom; PD000050; MHC_I; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pfam; PF00529; HlyD; 1.
PRINTS; PR01490; RIXTOXIND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro; IPR006143; HlyD.
InterPro; IPR003997; RtxD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ouery Match
Best Local Similarity 100.
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Opportunistic pathogen."
Nature 406:959-964(2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                           SMART; SM00407; IGC1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 RAARAAR 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20 RARRAAR 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         187 ARAARRA 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5 ARAAARRA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Complete proteome. SEQUENCE 383 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID-287;
                                                                                                                                                                                                   fam; PF00047
                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
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RESULT 13 Q914A1 ID Q914A

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ljer C., Los T., Reznik G., , Goltsman E.,

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RESULT 14

156 AARAAARR 163

Search completed: August 9, 2003, 16:32:58 Job time: 41.4571 secs